INSTITUTE OF PETROLEUM

REVIEW

Honorary Editor:
E. B. EVANS, M.Sc., PH.D., F.R.I.C.

Honorary Associate Editor:
D. L. SAMUEL, B.Sc., A.R.I.C.

Editor:
M. J. WELLS

VOLUME FIFTEEN
1961

THE INSTITUTE OF PETROLEUM
61 NEW CAVENDISH STREET
LONDON, W.1

CONTENTS

	PAGE
Development at Wilton. *By* G. M. Power	1
Around the Branches	5, 38, 68, 104, 140, 172, 206, 278, 313, 348, 379
Birmingham University Chemical Engineering Department	9
Petroleum in Parliament	11, 53, 125, 159, 177, 220, 242, 298
Esso's Milford Haven Refinery	12
Standard–Vacuum Joint Ownership Terminated	18
British Common Carrier and Terminal Company	19
New Combustion Laboratory at Egham	20
Total Enters the U.K. Market	22
NLOGF Annual Dinner	24
Personal Notes	26, 44, 84, 110, 151, 184, 215, 244, 292, 326, 352, 395
The Oil Industries Club Dinner	27
British-Made Oilfield Equipment	28
The Development of Bituminous Surfacings in Airfield Construction. *By* G. P. Jackson	33
U.K. Consumption of Petroleum Products	42
Queen's Channel Terminal	43
Welding for the Petroleum Industry	51
Regent Terminal at Cardiff	52
Growing Importance of Oil to the Gas Industry	54
Largest Butane–Air Plant Outside the Gas Industry	55
ENI and the World Oil Scene	57
The Corrosion and Metal Finishing Exhibition	60
Pitch and Gloss. *By* Owen Colverd	65
World Oil Production 1960	71
Petroleum Trade of the United Kingdom in 1960	72
Kuwait Annual Dinner	75
India's Largest Pipeline will be Remote Controlled	77
Tapline's First Decade of Operations	78
New Research Laboratory for London Transport	79
The Ownership of World Oil Production	82
Oil Search in Australia	89
World Tanker Fleets 1960	92
Diesel Fume Abatement Meeting	94
The Annual Dinner	97
Saharan Expansion Boosts French Crude Output for 1961	101
George Sell	102
World Crude Oil Reserves	103
Lubrication of Gears in Service. *By* G. C. Mudd	106
Branch of the Month	112, 148, 186, 224, 295, 392
Oil Development in Western Europe	115
Petroleum Refining in Canada	124
World Tanker Launchings in 1960	126
World Tanker Statistics Final Quarter 1960	128
Air Pollution—Past, Present, and Future. *By* S. R. Craxford	133
IPC Group Operations in 1960	144
George Sell's Retirement Luncheon	147
Birmingham Students Dinner	156
Iran Oil Statistics 1957–60	158
Wilfred Pohl Retires	160
Petroleum Equipment Orders 1960	163
Reactive Fuels and Chemicals from Coal. *By* C. E. Needham	165
Cost of Fuel Oil Duty	176
A Year of Achievement for Iranian Oil Operating Companies	177
BP Terminal Opened at Angle Bay	178
Europoort—Gateway to Europe	190
Oil Search in Australia	192
Fields Co-operation Between Iraq and Iran	192
The Location of Refineries. *By* P. H. Frankel and W. L. Newton	197
IP Council Members 1961–62	202

CONTENTS (continued)

	PAGE
The Institute Awards	204
Seventeen Per Cent Increase in U.K. Oil Consumption in 1960	208
The Brighton Symposium	211
British Petroleum Company's 1960 Operations	221
Total Establishes Itself in Britain	223
Some Aspects of the Manufacture of Chemicals from Petroleum. *By* E. J. G. Toxopeus	226
Rise in North American Reserves of Liquid Hydrocarbons and Natural Gas	228
The 1961 Summer Meeting	233
Dieselization on Southern Region of British Railways. *By* M. R. Pierson	239
Opening Up The Bonny River	243
Regent's New Terminal at Granton	246
Esso Marine Terminal, Fawley. *By* Captain J. H. Drew, O.B.E.	252
Laboratory Apparatus and Materials Exhibition 1961	258
Anglo American Project could mean Improved Packaging	259
U.K. Oil Consumption Rose 9·2 per cent in First Quarter	259
Drop in U.K. Equipment Orders	263
Why Are Oil Reserves Continually Growing? The Facts as Borne Out by Statistics. *By* E. V. Corps	269
Geological Considerations. *By* G. D. Hobson	273
The 6th World Petroleum Congress	284
Norway's First Major Oil Refinery	286
Cost of New Oil Duty to Users	293
U.K. Oil Imports 9 Per Cent Higher in First Half Year	294
New Chemical for Oil Firefighting	299
The World Oil Industry 1960	300
Modern Advances in Geophysics. *By* A. A. Fitch	305
Why Drilling is Becoming Cheaper and Faster. *By* E. E. Ferrin	309
Opening of Kalundborg Refinery	314
New Products Pipeline Completed in Iran	315
World Petroleum Statistics 1960	316
Australian Oil Search	325
U.K. Oil Consumption Rose by 9·2 Per Cent in First Half Year	325
U.K. Petroleum Statistics 1960	328
Aramco Reports Record Production in 1960	329
Welding Research Engineering Laboratory	330
Work at the Warren Spring Laboratory	333
Oil Companies Spend Another £25 million in Britain	335
Record Breaking London–Moscow–London Coach Trip	336
The Potential of Secondary Recovery in Increasing Oil Reserves. *By* M. Stephenson	341
Automotive Trends in a Changing Market	349
Ownership of World Oil Production in 1960	350
International Oil Prorationing	355
Industrial Uses of Radioisotopes. *By* W. G. Busbridge	357
BP Operations in the Sahara	366
Scottish Oil Consumption 12·6 Per Cent Up in First Half Year	367
The Development of the South-East Kuwait Oilfields. *By* A. F. Fox	373
Ladies Night at the Institute	382
I.P.C. Negotiations with the Iraq Government	383
The Ground Storage of Liquefied Gases	384
New Liquid–Solid Fuel Depot	386
A Record Attendance at this Year's CBMPE Dinner	399
Bulk Oil Quantities, Weights in air and in vacuo	400